

Andy Transport
No Engine, No Fuel, No GHGe.
No EV, No Fuel Cell.

Catapult Renewable Energy
Water Jet Propulsion by
1.23 mn lbs / sft Thrust in pressure vessel at
6000 t/sqm from 6000 m water depth
Hydro-static water column.
Automotive, Rail, Ship, Jet, Missile, Rocket.
High Speed, Low Fare, Low Cost, High ROI %

Andy Transport

No Engine, No Fuel, No GHGe.

No EV, No Fuel Cell.

Power CBM = hp*hr/20 m₃

Vehicle	ton	speed	HP	CBM/h	Cost.\$	FareC/km	ROI%
Car	2	200	100	5	12k	10	400
Truck	15	200	240	12	100k	1	600
Rail	1000	600	6000	300	150mn	1	120
Ship	5000	330knt	2000	100	10mn	1	1200
Jet	100	3600	30,000	1500	10mn	2.5	120
Missile	10	6mach	6000	300	5mn	--	--
Rocket	60	30mach	180,000	9000	150mn	--	--

Andy Transport

**muthukal andy appan, M.E,
50 yrs Expert, Chennai. India.**

$$\text{Power CBM} = \text{hp} \cdot \text{hr} / 20 \text{ m}_3$$

Vehicle	Remarks
Car	Travels in snow, sand, mud, marsh, water
Truck	Travels in snow, sand, mud, marsh, water
Rail	No rail, slippers, gravel, no wheels for boggy, no drive wheels
Ship	Low draft, 200.50.5m=50,000dwt unit. Ferry, Container, Cargo, VLCC
Jet	Cargo, Passengers. VTOL. 2 tilt rotor, hollow nose, tail engine.
Missile	1-10 t pay load. Hollow nose. No fuel. hit, blast, fire.
Rocket	5-10 t pay load. Hollow nose. No fuel.